Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/10/2018 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123448	-2	1.86	123281	1.86
Blue	F	SSC	125000	122989	-2	3.49	123314	3.31
Blue	E	FITC	23615	22731	-4	2.81	1019	10.81
Blue	D	PE	26739	26428	-2	2.34	949	10.56
Blue	B	PerCP-Cy5-5	48339	47073	-3	3.71	1358	17.70
Blue	A	PE-Cy7	45021	44434	-2	5.51	686	37.06
Red	C	APC	53064	51668	-3	2.80	2957	9.63
Red	A	APC-Cy7	57175	56260	-2	2.81	1175	11.38
Violet	B	V450	14728	14153	-4	3.91	677	9.27
Violet	A	V500	58621	57329	-3	3.65	2536	6.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19363	2.95	613	-1	N/A	N/A	Pass
Blue	F	SSC	60832	1.84	561	15	N/A	N/A	Pass
Blue	E	FITC	113	40.59	550	2	0.0187	152	Pass
Blue	D	PE	206	31.01	542	6	0.1377	234	Pass
Blue	B	PerCP-Cy5-5	210	47.52	640	5	0.0092	105	Pass
Blue	A	PE-Cy7	73	129.04	698	5	0.0110	20	Pass
Red	C	APC	336	28.93	598	1	0.0197	84	Pass
Red	A	APC-Cy7	127	40.81	581	1	0.0053	1477	Pass
Violet	B	V450	82	43.10	465	-5	0.0415	1789	Pass
Violet	A	V500	185	23.05	492	-5	0.0125	190	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-31.04	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.35
Red	17.13	14.40 - 21.60	N/A	N/A	30.89	31.34	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10765

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments